AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A process for reducing content of sulphur compounds and polyaromatic hydrocarbons in a hydrocarbon feed stock having a boiling range between 200°C and 600°C, which process comprises the steps of:

(a) contacting the feed stock with hydrogen over a hydrotreating catalyst in a hydrotreating zone at conditions being effective for hydrotreating and obtaining a hydrotreated effluent comprising hydrotreated feed stock, hydrogen sulphide and hydrogen;

(b) cooling the hydrotreated effluent;

(c) contacting the cooled hydrotreated effluent with a hydrotreating catalyst at conditions being effective for conversion of polyaromatic hydrocarbons to monoaromatic compounds; and

(d) introducing the hydrotreated effluent from step (c) into an FCC unit for producing gasoline.

2. (Original) A process of claim 1, wherein the temperature in step (c) is between 50°C and 150°C lower than outlet temperature from step (a).

3. (Original) A process of claim 1, wherein LHSV in step (c) is between 2 and 20 times the LHSV in step (a).

4. (Previously presented) A process of claim 1, wherein step (c) is performed in a final catalyst bed of the hydrotreating zone.

5. (Original) A process of claim 1, wherein the feedstock is characterized by having a 50% boiling point between 300°C and 450°C.

6. (Previously presented) A process of claim 1, wherein the hydrotreating catalyst used in step (c) is a composite of Group VI-B and/or Group VIII metal on a porous refractory inorganic oxide.

7. (Original) A process of claim 6, wherein the metals are nickel and molybdenum or nickel and tungsten.

8. (Original) A process of claim 6, wherein the porous refractory inorganic oxide is alumina or silica-alumina.